



566.43181X00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Takashige IWAMURA et al.  
Serial No.: 10/676,121  
Filed: October 2, 2003  
For: MULTI-SITE REMOTE-COPY SYSTEM  
Group: 2186  
Examiner: Not yet assigned

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

January 27, 2005

Sir:

In the matter of the above-identified application, Applicants are submitting herewith a search report and copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted before the mailing date of a first office action on the merits.

Each of the documents listed on the attached form equivalent to Form PTO-1449 is in the English language.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Mattingly, Stanger & Malur, Deposit Account No. 50-1417 (referencing attorney docket no. 566.43181X00) please credit any excess fees to such deposit account.

Respectfully submitted,



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Frederick D. Bailey  
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MATTINGLY, STANGER & MALUR, P.C.

FDB/sdb  
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**FORM PTO-1449** U.S. Department of  
Commerce (Rev. 4/92) Patent and Trademark

ATTY. DOCKET NO.

SERIAL NO.

**566.43181X00****10/676,121**

APPLICANT

**Takashige IWAMURA et al.**

FILING DATE

**October 2, 2003**

GROUP

**2186**

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,555,371	09-1996	DUYANOVICH et al.			
	5,615,329	03-1997	KERN et al.			
	5,673,382	09-1997	CANNON et al.			
	5,870,537	02-1999	KERN et al.			
	5,937,414	8-1999	SOUDER et al.			
	6,477,627	11-2002	OFEK			
	6,587,935	7-2003	OFEK			
	6,813,683	11-2004	TABUCHI et al.			
	2003/0105934 A1	6-2003	KIMURA et al.			
	2003/0145168 A1	7-2003	LECRONE et al.			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
					YES	NO
EP 1 283 469 A2	2-2003	Europe				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Schulman, Disaster Recovery Issues and Solutions, Hitachi Data Systems, March 2002.
	IBM TotalStorage Enterprise Storage Server Resiliency Family, 2002.
	Disaster Tolerant Unix: Removing the Last Single Point of Failure, Illuminata, Inc., 2002.

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449</b> U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	566.43181X00	10/676,121
	APPLICANT Takashige IWAMURA et al.	
	FILING DATE October 2, 2003	GROUP 2186

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2003/0188233 A1	10-2003	LUBBERS et al.			
	2003/0200387 A1	10-2003	URABE et al.			
	2004/0024975 A1	02-2004	MORISHITA et al.			
	2004/0153719 A1	08-2004	ACHIWA et al.			
	2004/0230756 A1	11-2004	ACHIWA et al.			
	2004/0230859 A1	11-2004	COCHRAN et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Data Protection and Disaster Recovery, An IP Storage Forum On the Road IT Educational Series White Paper, SNIA IP Storage Forum, 2004.

EXAMINER	DATE CONSIDERED
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